

# Soap and Other Detergent Manufacturing: 2002

Issued December 2004

EC02-311-325611 (RV)

## 2002 Economic Census

*Manufacturing*

Industry Series



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*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



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-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
325611, Soap and other detergent manufacturing .....	2002..	699	764	24 183	1 127 048	15 406	30 480	646 761	10 940 560	6 349 759	17 327 898	'974 799
	2001..	N	N	23 050	936 311	14 744	30 789	538 205	8 390 001	7 066 945	15 557 249	345 743
	2000..	N	N	24 084	983 185	15 498	31 419	556 903	8 030 834	7 172 488	15 115 422	446 073
	1999..	N	N	24 069	989 838	15 474	31 771	546 532	8 040 507	6 836 623	14 801 211	380 092
	1998..	N	N	30 771	1 265 897	18 813	37 845	626 788	10 046 061	6 895 992	17 012 386	459 159
	1997..	738	805	31 052	1 268 061	18 152	36 800	626 457	10 478 562	7 337 083	17 772 851	464 466

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
325611, Soap and other detergent manufacturing												
United States .....	1	764	186	24 183	1 127 048	15 406	30 480	646 761	10 940 560	6 349 759	17 327 898	'974 799
California .....	3	87	20	1 806	75 510	1 057	1 685	33 971	335 336	220 675	559 407	'38 087
Florida .....	4	36	3	239	10 793	153	298	6 232	48 423	34 598	82 944	'1 639
Georgia .....	-	33	13	1 761	84 798	951	1 998	42 749	822 738	469 155	1 297 197	'10 880
Illinois .....	-	42	12	2 154	94 550	1 430	2 880	57 815	627 598	409 447	1 035 967	'17 157
Indiana .....	-	16	7	1 185	70 623	844	1 799	49 865	493 357	323 232	803 036	'25 788
Missouri .....	-	32	10	1 505	77 972	1 001	2 109	51 132	1 393 400	435 727	1 852 906	'33 050
New Jersey .....	2	37	15	1 503	73 290	950	1 986	40 463	789 797	383 167	1 185 780	'31 962
New York .....	8	26	4	235	11 857	173	338	6 803	62 425	37 552	100 040	'2 251
North Carolina .....	1	26	7	1 271	60 317	513	1 034	17 437	183 155	181 938	367 406	'5 315
Pennsylvania .....	3	38	11	943	43 526	581	1 128	20 584	59 128	244 299	302 620	'7 977
Texas .....	2	63	10	965	41 385	645	1 263	24 119	368 890	177 645	545 684	'13 412
Washington .....	2	18	2	134	6 874	71	152	2 170	33 317	18 133	51 555	'3 404
Wisconsin .....	3	25	6	365	14 444	285	540	10 489	71 750	63 492	134 989	'2 326

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>325611, Soap and other detergent manufacturing</b>	
Companies <sup>1</sup> .....	number.. 699
All establishments <sup>2</sup> .....	number.. 764
Establishments with 1 to 19 employees .....	number.. 578
Establishments with 20 to 99 employees .....	number.. 122
Establishments with 100 employees or more .....	number.. 64
All employees <sup>3</sup> .....	number.. 24 183
Total compensation .....	\$1,000.. 1 420 054
Annual payroll .....	\$1,000.. 1 127 048
Total fringe benefits .....	\$1,000.. 293 006
Production workers, average for year .....	number.. 15 406
Production workers on March 12 .....	number.. 15 431
Production workers on May 12 .....	number.. 15 394
Production workers on August 12 .....	number.. 15 400
Production workers on November 12 .....	number.. 15 365
Production worker hours .....	1,000.. 30 480
Production worker wages .....	\$1,000.. 646 761
Total cost of materials .....	\$1,000.. 6 349 759
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 5 969 586
Resales .....	\$1,000.. 230 844
Purchased fuels .....	\$1,000.. 32 299
Purchased electricity .....	\$1,000.. 54 049
Contract work .....	\$1,000.. 62 981
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 965 692
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. -
Total value of shipments .....	\$1,000.. 17 327 898
Primary products value of shipments .....	\$1,000.. 14 353 631
Secondary products value of shipments .....	\$1,000.. 2 665 807
Total miscellaneous receipts .....	\$1,000.. 308 460
Value of resales .....	\$1,000.. 273 796
Contract receipts .....	\$1,000.. 28 993
Other miscellaneous receipts .....	\$1,000.. 5 671
Primary products specialization ratio .....	percent.. 84
Value of primary products shipments made in all industries .....	\$1,000.. 16 993 557
Value of primary products shipments made in this industry .....	\$1,000.. 14 353 631
Value of primary products shipments made in other industries .....	\$1,000.. 2 639 926
Coverage ratio .....	percent.. 84
Value added .....	\$1,000.. 10 940 560
Total inventories, beginning of year .....	\$1,000.. 940 313
Finished goods inventories .....	\$1,000.. 558 299
Work-in-process inventories .....	\$1,000.. 68 310
Materials and supplies inventories .....	\$1,000.. 313 704
Total inventories, end of year .....	\$1,000.. 906 581
Finished goods inventories .....	\$1,000.. 508 291
Work-in-process inventories .....	\$1,000.. 80 739
Materials and supplies inventories .....	\$1,000.. 317 551
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. 5 361 210
Total capital expenditures (new and used) .....	\$1,000.. 1974 799
Buildings and other structures (new and used) .....	\$1,000.. 161 028
Machinery and equipment (new and used) .....	\$1,000.. 1813 771
Automobiles, trucks, etc., for highway use .....	\$1,000.. 8 439
Computers and peripheral data processing equipment .....	\$1,000.. 25 781
All other expenditures for machinery and equipment .....	\$1,000.. 779 551
Total retirements .....	\$1,000.. 1973 843
Gross value of depreciable assets at end of year .....	\$1,000.. 5 362 166
Depreciation charges during year .....	\$1,000.. 311 116
Total rental payments .....	\$1,000.. 101 653
Buildings and other structures .....	\$1,000.. 63 038
Machinery and equipment .....	\$1,000.. 38 615
Total other expenses <sup>4</sup> .....	\$1,000.. 441 180
Response coverage ratio <sup>5</sup> .....	percent.. 82
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 42 701
Communications services <sup>4</sup> .....	\$1,000.. 7 978
Legal services <sup>4</sup> .....	\$1,000.. 2 626
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 4 302
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 33 392
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 9 173
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 9 601
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 5 692
Taxes and license fees <sup>4</sup> .....	\$1,000.. 17 677
All other expenses <sup>4</sup> .....	\$1,000.. 308 040

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on 2002 Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
325611, Soap and other detergent manufacturing											
All establishments .....	1	764	24 183	1 127 048	15 406	30 480	646 761	10 940 560	6 349 759	17 327 898	'974 799
Establishments with—											
1 to 4 employees .....	9	379	722	32 583	552	1 045	23 770	250 554	147 745	398 061	'9 383
5 to 9 employees .....	9	119	797	41 757	567	1 144	28 312	312 509	190 557	503 045	'11 646
10 to 19 employees .....	5	80	1 165	56 352	654	1 300	25 792	232 833	161 973	393 963	'8 206
20 to 49 employees .....	3	84	2 531	110 720	1 506	3 006	50 924	515 550	350 295	866 250	'23 401
50 to 99 employees .....	—	38	2 702	127 434	1 382	2 841	49 794	850 008	442 314	1 313 768	'34 237
100 to 249 employees .....	1	43	6 822	299 687	4 339	8 300	170 702	3 008 489	1 614 280	4 644 414	'72 867
250 to 499 employees .....	—	15	5 464	305 367	4 002	8 512	223 548	5 072 223	2 821 236	7 889 482	'747 504
500 to 999 employees .....	—	6	3 980	153 148	2 404	4 332	73 919	698 394	621 359	1 318 915	'67 555
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	441	1 274	63 703	1 015	1 990	47 987	520 955	308 432	829 247	'19 703

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
325611	Soap and other detergent manufacturing .....	764	24 183	1 127 048	15 406	30 480	646 761	10 940 560	6 349 759	17 327 898	'974 799
3256111	Soaps and detergents, commercial, industrial, and institutional .....	165	11 081	492 250	6 654	12 878	248 357	4 941 094	3 016 276	7 976 041	'449 336
3256114	Household detergents .....	33	6 248	294 633	4 002	8 386	179 914	3 317 794	1 946 447	5 271 670	'385 929
3256117	Soaps, excluding specialty cleaners, household .....	16	2 277	119 781	1 680	3 519	86 177	1 500 281	603 939	2 109 531	'58 775
325611D	Toothpaste, including gels and toothpowder .....	5	1 528	74 244	976	1 673	42 499	316 071	231 824	544 206	'47 116

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
325611	Soap and other detergent manufacturing .....	2002.. N 1997.. N	X X	X X	16 993 557 14 326 060
3256111	Soaps and detergents, commercial, industrial, and institutional .....	2002.. N 1997.. N	X X	X X	6 991 093 2 276 865
32561111	Soaps and detergents, commercial, industrial, and institutional .....	2002.. N 1997.. N	X X	X X	890 099 483 656
325611111	Dry hard surface commercial, industrial, and institutional cleaners .....	mil lb. 2002.. 26 1997.. 26	X X	S D	209 177 D
325611112	Liquid hard surface commercial, industrial, and institutional cleaners .....	mil gal. 2002.. 98 1997.. 105	X X	S 978.5	532 096 348 856
325611113	Aerosol hard surface commercial, industrial, and institutional cleaners .....	mil gal. 2002.. 17 1997.. 10	X X	S D	148 826 D
32561112	Commercial, industrial, and institutional laundry detergents .....	2002.. N 1997.. N	X X	X X	3 458 991 282 165
325611121	Commercial, industrial, and institutional dry laundry detergents .....	mil lb. 2002.. 33 1997.. 32	X X	D S	D 58 551
325611122	Commercial, industrial, and institutional liquid laundry detergents .....	mil gal. 2002.. 31 1997.. 40	X X	D 927.4	D 223 614
32561113	Commercial, industrial, and institutional dishwashing detergents .....	2002.. N 1997.. N	X X	X X	1 124 960 288 515
325611131	Commercial, industrial, and institutional dry dishwashing detergents .....	mil lb. 2002.. 22 1997.. 24	X X	D D	D D
325611132	Commercial, industrial, and institutional liquid dishwashing detergents .....	mil gal. 2002.. 43 1997.. 40	X X	D D	D D
32561114	Commercial, industrial, and institutional metal cleaners .....	2002.. N 1997.. N	X X	X X	222 095 211 733
325611141	Commercial, industrial, and institutional metal cleaners .....	mil lb. 2002.. 52 1997.. 44	X X	X P178.9	222 095 211 733
32561115	Commercial, industrial, and institutional scouring cleaners .....	2002.. N 1997.. N	X X	X X	37 697 13 222
325611151	Commercial, industrial, and institutional scouring cleaners .....	mil lb. 2002.. 15 1997.. 13	X X	S P33.1	37 697 13 222
32561116	Dairy, farm, and food plant cleaners, sanitizers, etc. ....	2002.. N 1997.. N	X X	X X	153 950 128 919
325611161	Dairy, farm, and food plant cleaners, sanitizers, etc. ....	mil gal. 2002.. 36 1997.. 33	X X	S P40.0	153 950 128 919
32561117	Commercial, industrial, and institutional soaps, excluding specialty cleaners .....	2002.. N 1997.. N	X X	X X	1 093 367 662 649
325611171	Commercial, industrial, and institutional soap chips, flakes, granules, powders, and sprays, including washing powders, excluding specialty cleaners .....	mil lb. 2002.. 30 1997.. 27	X X	S 9125.6	172 889 88 872
325611172	Commercial, industrial, and institutional liquid (potash and other) soaps, excluding shampoos and specialty cleaners .....	mil gal. 2002.. 49 1997.. 54	X X	S S	318 624 275 047
325611173	Other commercial, industrial, and institutional soaps, including mechanics' hand soap, excluding specialty cleaners .....	mil lb. 2002.. 34 1997.. 28	X X	S P134.4	206 650 114 894
325611174	All other commercial, industrial, and institutional cleaners, including dry cleaners, liquid, dry, and aerosol .....	2002.. 71 1997.. 70	X X	X X	395 204 183 836
3256111Y	Soaps and detergents, commercial, industrial, and institutional, nsk .....	2002.. N 1997.. N	X X	X X	9 934 206 006
3256111YVV	Soaps and detergents, commercial, industrial, and institutional, nsk .....	2002.. N 1997.. N	X X	X X	9 934 206 006
3256114	Household detergents .....	2002.. N 1997.. N	X X	X X	4 443 878 7 176 655
32561141	Household dry laundry detergents .....	2002.. N 1997.. N	X X	X X	236 137 79 447
325611411	Household dry laundry detergents, light-duty .....	mil lb. 2002.. 8 1997.. 5	X X	D D	D D
325611412	Household dry laundry detergents, heavy-duty, phosphate based .....	mil lb. 2002.. 4 1997.. 6	X X	D D	D D
32561142	Household dry laundry detergents, heavy-duty, phosphate free .....	2002.. N 1997.. N	X X	X X	1 172 855 2 591 482
325611421	Household dry laundry detergents, heavy-duty, phosphate free .....	mil lb. 2002.. 8 1997.. 14	X X	S 3 658.1	1 172 855 2 591 482
32561143	Household liquid laundry detergents, light-duty .....	2002.. N 1997.. N	X X	X X	1 117 083 875 509
325611431	Household liquid laundry detergents, light-duty .....	mil gal. 2002.. 13 1997.. 10	X X	S 126.0	1 117 083 875 509
32561144	Household liquid laundry detergents, heavy-duty .....	2002.. N 1997.. N	X X	X X	646 096 2 065 890
325611441	Household liquid laundry detergents, heavy-duty .....	mil gal. 2002.. 6 1997.. 18	X X	S 342.4	646 096 2 065 890
32561145	Household alkaline dishwashing detergents .....	2002.. N 1997.. N	X X	X X	2 248 292 1 251 550
325611451	Household liquid alkaline automatic dishwashing detergents .....	mil gal. 2002.. 9 1997.. 7	X X	49.6 151.9	243 609 199 924
325611452	Household dry alkaline automatic dishwashing detergents .....	mil lb. 2002.. 7 1997.. 8	X X	P646.0 1 290.4	378 504 450 952

See footnotes at end of table.



Table 6a. **Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
325611	Soap and other detergent manufacturing—Con.				
3256114	Household detergents—Con.				
32561145	Household alkaline dishwashing detergents—Con.				
3256114531	Household liquid alkaline hard surface cleaners, including degreasers..... mil gal..	2002.. 38	X	S	236 666
		1997.. 35	X	S	377 598
3256114541	Household aerosol alkaline hard surface cleaners, including degreasers..... mil gal..	2002.. 5	X	S	11 928
		1997.. 2	X	D	D
3256114551	Household dry alkaline hard surface cleaners, including degreasers..... mil lb..	2002.. 4	X	S	2 661
		1997.. 3	X	D	D
3256114561	Household liquid alkaline scouring cleaners .....	2002.. 4	X	S	1 536
		1997.. 3	X	D	D
3256114571	Household dry alkaline scouring cleaners .....	2002.. 5	X	D	D
		1997.. 2	X	D	D
3256114581	All other household alkaline detergents .....	2002.. 3	X	X	D
		1997.. 5	X	X	13 674
3256114591	Household laundry presoaks .....	2002.. 3	X	D	D
		1997.. 4	X	D	D
3256114Y	Household detergents, nsk .....	2002.. N	X	X	23 415
		1997.. N	X	X	312 777
3256114YWV	Household detergents, nsk .....	2002.. N	X	X	23 415
		1997.. N	X	X	312 777
3256117	Soaps, excluding specialty cleaners, household.....	2002.. N	X	X	D
		1997.. N	X	X	1 832 132
32561171	Household deodorant bar soaps, excluding medicated .....	2002.. N	X	X	1 160 325
		1997.. N	X	X	742 106
3256117111	Household deodorant bar soaps, excluding medicated .....	2002.. 17	X	S	1 160 325
		1997.. 12	X	S	742 106
32561172	Household nondeodorant bar soaps, excluding medicated .....	2002.. N	X	X	221 502
		1997.. N	X	X	412 945
3256117211	Household nondeodorant bar soaps, excluding medicated .....	2002.. 17	X	S	221 502
		1997.. 16	X	P386.1	412 945
32561173	Household novelty bar soaps, excluding medicated .....	2002.. N	X	X	D
		1997.. N	X	X	553 655
3256117311	Household novelty bar soaps, excluding medicated .....	2002.. 8	X	D	D
		1997.. 12	X	D	D
3256117321	Household liquid toilet soaps, excluding medicated .....	2002.. 45	X	S	553 908
		1997.. 27	X	S	369 896
3256117331	Other household soaps, including mechanics' hand soaps (excluding waterless), and medicated soaps .....	2002.. 15	X	X	87 212
		1997.. 7	X	X	D
3256117Y	Soaps, excluding specialty cleaners, household, nsk .....	2002.. N	X	X	939
		1997.. N	X	X	123 426
3256117YWV	Soaps, excluding specialty cleaners, household, nsk .....	2002.. N	X	X	939
		1997.. N	X	X	123 426
325611A	Glycerin, natural .....	2002.. N	X	X	D
		1997.. N	X	X	265 942
325611A1	Glycerin, natural .....	2002.. N	X	X	D
		1997.. N	X	X	265 942
325611A111	Crude glycerin, natural, 100-percent basis <sup>1</sup> ..... mil lb..	2002.. —	X	D	D
		1997.. 5	X	126.9	96 136
325611A121	Other natural glycerin .....	2002.. 1	X	D	D
		1997.. 5	X	267.3	169 806
325611AY	Glycerin, natural, nsk .....	2002.. N	X	X	—
		1997.. N	X	X	—
325611AYWV	Glycerin, natural, nsk .....	2002.. N	X	X	—
		1997.. N	X	X	—
325611D	Toothpaste, including gels and toothpowder .....	2002.. N	X	X	1 598 085
		1997.. N	X	X	1 403 379
325611D1	Toothpaste, including gels and toothpowder .....	2002.. N	X	X	1 598 085
		1997.. N	X	X	1 403 379
325611D100	Toothpaste, including gels and toothpowder .....	2002.. 25	X	X	1 598 085
		1997.. 22	X	X	1 403 379
325611W	Soap and other detergent manufacturing, nsk, total .....	2002.. N	X	X	1 356 603
		1997.. N	X	X	1 371 087
325611WY	Soap and other detergent manufacturing, nsk, total .....	2002.. N	X	X	1 356 603
		1997.. N	X	X	1 371 087
325611WYWV	Soap and other detergent manufacturing, nsk, for nonadministrative-record establishments .....	2002.. N	X	X	561 897
		1997.. N	X	X	857 688
325611WYWY	Soap and other detergent manufacturing, nsk, for administrative-record establishments .....	2002.. N	X	X	794 706
		1997.. N	X	X	513 399

<sup>1</sup>For additional detail, see Current Industrial Report M311K, Fats and Oils: Production, Consumption, and Stocks.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p–10 to 19 percent estimated; q–20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3256111	Soaps and detergents, commercial, industrial, and institutional	
	United States .....	2002.. 6 991 093
		1997.. 2 276 865
	California .....	2002.. 186 116
		1997.. 264 620
	Florida .....	2002.. 36 182
		1997.. 16 859
	Georgia .....	2002.. 437 609
		1997.. 286 339
	Illinois .....	2002.. 439 670
		1997.. 331 727
	Indiana .....	2002.. 62 585
		1997.. 65 670
	Missouri .....	2002.. 334 808
		1997.. 92 317
	New Jersey .....	2002.. 287 065
		1997.. 280 207
	New York .....	2002.. 15 697
		1997.. 16 715
	North Carolina .....	2002.. 289 993
		1997.. N
	Pennsylvania .....	2002.. 184 491
		1997.. 39 788
	Texas .....	2002.. 294 328
		1997.. 211 833
	Washington .....	2002.. 26 314
		1997.. 24 330
	Wisconsin .....	2002.. 152 301
		1997.. 69 453
3256114	Household detergents	
	United States .....	2002.. 4 443 878
		1997.. 7 176 655
	California .....	2002.. 19 905
		1997.. 36 493
	Missouri .....	2002.. 845 011
		1997.. 972 773
	New Jersey .....	2002.. 162 490
		1997.. 204 005
	Pennsylvania .....	2002.. 13 888
		1997.. 103 177
	Texas .....	2002.. 15 189
		1997.. 32 690
3256117	Soaps, excluding specialty cleaners, household	
	United States .....	2002.. D
		1997.. 1 832 132
	California .....	2002.. 71 329
		1997.. N
	New Jersey .....	2002.. 650 803
		1997.. 25 055
	New York .....	2002.. 3 698
		1997.. 6 624
	Texas .....	2002.. 32 064
		1997.. N
325611A	Glycerin, natural	
	United States .....	2002.. D
		1997.. 265 942
325611D	Toothpaste, including gels and toothpowder	
	United States .....	2002.. 1 598 085
		1997.. 1 403 379
	New Jersey .....	2002.. 337 899
		1997.. N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
325611	Soap and other detergent manufacturing		
00900001	Total materials .....2002..	X	5 969 586
	.....1997..	X	6 099 318
32561303	Bulk surface active intermediates (active weight) ..... mil lb..2002..	996.6	369 106
	.....1997..	173.4	80 161
32561305	Bulk surface active agents primarily for detergent purposes (active weight), excluding intermediates ..... mil lb..2002..	1 350.2	731 979
	.....1997..	S	553 477
32561307	Other bulk surface active agents (emulsifiers, wetting agents, penetrants, etc.) (active weight), excluding intermediates ..... mil lb..2002..	194.4	99 079
	.....1997..	¶64.6	38 581
32561100	Glycerin (100 percent) ..... mil lb..2002..	D	D
	.....1997..	D	D
31120013	Vegetable oil ..... mil lb..2002..	D	D
	.....1997..	D	D
32562000	Perfume oil mixtures and blends ..... mil lb..2002..	¶47.8	300 508
	.....1997..	42.1	238 746
32519901	Fatty acids ..... mil lb..2002..	226.8	61 454
	.....1997..	230.1	123 915
31161301	Grease and inedible tallow ..... mil lb..2002..	S	56 094
	.....1997..	785.4	159 066
32518103	Chlorine (100 percent Cl basis) ..... 1,000 s tons..2002..	45.2	7 962
	.....1997..	S	5 976
32518105	Sodium carbonate (soda ash) (58 percent Na <sub>2</sub> O) ..... 1,000 s tons..2002..	375.8	48 709
	.....1997..	¶768.6	99 965
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH) ..... 1,000 s tons..2002..	S	109 068
	.....1997..	715.0	89 277
32518821	Sodium tripolyphosphate (STPP) (100 percent NaP <sub>0</sub> ) ..... 1,000 s tons..2002..	S	85 995
	.....1997..	158.3	84 490
32518819	All other potassium and sodium compounds .....2002..	X	344 365
	.....1997..	X	227 514
32410013	Refined petroleum products (including mineral oil, naphtha solvents, petrolatum, waxes, etc.) .....2002..	X	30 725
	.....1997..	X	74 619
32500005	All other organic and inorganic chemicals .....2002..	X	751 726
	.....1997..	X	1 510 914
32310003	Labels, coupons, instructions, and other printed material .....2002..	X	60 803
	.....1997..	X	76 955
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	432 509
	.....1997..	X	542 547
33240000	Metal containers .....2002..	X	26 028
	.....1997..	X	31 870
32610029	Plastics containers .....2002..	X	588 144
	.....1997..	X	498 494
32610037	Fabricated plastics products, including dispensing pumps and trigger and mist sprayers (excluding containers) .....2002..	X	121 268
	.....1997..	X	88 312
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	985 960
	.....1997..	X	474 907
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	661 216
	.....1997..	X	944 964

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.